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Item 3(d) of the provisional agenda
Reporting from and review of Parties included in Annex I to the Convention
Report on national greenhouse gas inventory data from Parties included in Annex I to the Convention for the period 1990–2013

National greenhouse gas inventory data for the period 1990–2013

Note by the secretariat*

Summary

In 2015, 30 Parties included in Annex I to the Convention (Annex I Parties) had submitted their greenhouse gas (GHG) inventory common reporting format (CRF) tables and 26 had submitted their national inventory report as at 9 November 2015. According to decision 13/CP.20, in 2015, Annex I Parties may submit their CRF tables after the deadline set out in decision 24/CP.19 (15 April), but no later than the corresponding delay in the availability of the CRF Reporter. The information contained in this document is presented for individual Annex I Parties based on the information in their national GHG inventory submissions received as at 9 November 2015. Since not all Parties had submitted their GHG inventories by this date, it was not possible to calculate total aggregate GHG emissions for all Annex I Parties taken together. At the time of the publication of this document, the 2015 submission and review process for GHG inventories from Annex I Parties was still ongoing. Therefore, the data included in this document may not reflect the latest information provided by Parties. The latest GHG inventory data are available on the UNFCCC website.[1]

* This document was submitted after the due date in order to take into account the latest submissions from Parties.

[1] <http://unfccc.int/national_reports/annex_i_ghg_inventories/national_inventories_submissions/items/8812.php>.

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I. Introduction

A. Mandate

1. The Conference of the Parties (COP), by its decision 24/CP.19, requested Parties included in Annex I to the Convention (Annex I Parties) to submit national inventory data on greenhouse gas (GHG) emissions by sources and removals by sinks by 15 April each year. By its decision 13/CP.20, paragraphs 8 and 10, the COP requested the secretariat to compile and summarize information on GHG inventory data submitted by Annex I Parties, inter alia, for consideration by the COP and the subsidiary bodies.

B. Scope of the note

2. This document shows the status of reporting of GHG inventories by Annex I Parties in 2015 (chapter II) and provides a summary of the latest available data on GHG emissions and removals for the period 1990–2013 (chapter III). Data are provided for carbon dioxide (CO_2), methane (CH_4) and nitrous oxide (N_2O), as well as for hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulphur hexafluoride (SF_6), unspecified mix of HFCs and PFCs (MIX) and nitrogen trifluoride (NF_3) taken together, and, where Parties have elected to report them, indirect CO_2 emissions from the atmospheric oxidation of CH_4, carbon monoxide (CO) and non-methane volatile organic compounds. Data are provided on total[2] aggregate[3] GHG emissions, both with and without net GHG emissions and removals from land use, land-use change and forestry (LULUCF).

3. The information provided in this document is based on information in the national GHG inventories received from 30 Annex I Parties as at 9 November 2015.

4. In accordance with decision 13/CP.20, in 2015, Annex I Parties may submit their common reporting format (CRF) tables after 15 April. At the time of the publication of this document, not all Parties had submitted their GHG inventories, and the annual review process for Parties who had made submissions in 2015 was still ongoing. Therefore, the data presented here may not reflect the latest information provided by Parties. The latest GHG inventory data are available on the UNFCCC website.[4]

C. Possible action by the Subsidiary Body for Implementation and the Conference of the Parties

5. The Subsidiary Body for Implementation may wish to take note of the information contained in this document.

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[2] The term "total" implies that emissions from the sectors of the common reporting format are summed; the inclusion of emissions from land use, land-use change and forestry in the sum is indicated separately; unless stated otherwise, totals do not include indirect CO_2 emissions.

[3] The term "aggregate" implies that GHG emissions and removals are calculated as a weighted sum of CO_2, CH_4, N_2O, HFCs, PFCs, SF_6, MIX and NF_3 using the global warming potentials agreed under the Convention.

[4] <http://unfccc.int/national_reports/annex_i_ghg_inventories/national_inventories_submissions/items/8812.php>.

II. Status of reporting

A. Timeliness and completeness of submissions

6. According to the "Guidelines for the preparation of national communications by Parties included in Annex I to the Convention, Part I: UNFCCC reporting guidelines on annual greenhouse gas inventories" (hereinafter UNFCCC Annex I inventory reporting guidelines),[5] Annex I Parties are required to submit annually a national inventory report (NIR) and CRF tables containing data from the base year up to two years prior to the year of submission. In 2015, 30 Annex I Parties provided GHG data for all years from 1990[6] to 2013.

7. Decision 13/CP.20 recognized that the deadline of June 2014, as set out in decision 24/CP.19, paragraph 5, for providing a redesigned version of the CRF Reporter (to be used to prepare CRF tables in accordance with the latest reporting guidelines) to Annex I Parties was not met. Accordingly, decision 13/CP.20 reiterated that "Annex I Parties in 2015 may submit their common reporting format tables after 15 April, but no longer than the corresponding delay in the CRF Reporter availability".

8. By 15 April 2015, no CRF tables and two NIRs had been received. Within six weeks of 15 April 2015, two Parties had submitted their CRF tables, and six Parties had submitted their NIRs.

9. As at 9 November 2015, CRF tables had been received from 30 Parties and NIRs had been received from 26 Parties. Table 1 shows the dates of the initial submissions of the CRF tables and the NIRs.

Table 1
Greenhouse gas inventory submissions from Annex I Parties in 2015

Party	*CRF tables submission date*	*NIR submission data*
Australia	27 May 2015	27 May 2015
Austria	5 November 2015	5 November 2015
Belarus		
Belgium	5 November 2015	5 November 2015
Bulgaria	6 November 2015	6 November 2015
Canada	17 April 2015	17 April 2015
Croatia	6 November 2015	6 November 2015
Cyprus		
Czech Republic	9 November 2015	
Denmark	7 November 2015	
Estonia	2 November 2015	2 November 2015
European Union		
Finland	3 November 2015	30 October 2015
France	4 November 2015	4 November 2015
Germany	6 November 2015	

[5] Decision 24/CP.19, annex I.

[6] Unless otherwise specified, base year data are used instead of 1990 data. The Parties that may use a base year other than 1990, as stipulated in decisions 9/CP.2 and 11/CP.4, provided data for their respective base years. Such Parties and their base years are Bulgaria (1988), Hungary (average of 1985–1987), Poland (1988), Romania (1989) and Slovenia (1986).

Party	*CRF tables submission date*	*NIR submission data*
Greece	6 November 2015	
Hungary		
Iceland	6 November 2015	
Ireland	4 November 2015	
Italy	3 November 2015	3 November 2015
Japan		23 April 2015
Latvia	6 November 2015	6 November 2015
Liechtenstein		
Lithuania	6 November 2015	6 November 2015
Luxembourg		
Malta	6 November 2015	6 November 2015
Monaco		
Netherlands	5 November 2015	2 November 2015
New Zealand	31 July 2015	10 April 2015
Norway		
Poland	6 November 2015	6 November 2015
Portugal	3 November 2015	3 November 2015
Romania		
Russian Federation	30 August 2015	
Slovakia	6 November 2015	
Slovenia	3 November 2015	3 November 2015
Spain	5 November 2015	5 November 2015
Sweden	5 November 2015	29 October 2015
Switzerland		27 April 2015
Turkey		9 November 2015
Ukraine	14 August 2015	14 August 2015
United Kingdom	30 October 2015	30 October 2015
United States		14 April 2015

Notes: (1) Blank cells indicate that no submission had been received as at 9 November 2015. Some Parties, such as Cyprus, Luxembourg, Norway, Romania, Turkey and the United States of America, submitted their CRF tables after 9 November 2015; such submissions could not be reported on in this document. (2) The European Union and its member States that had not submitted their CRF tables as at 9 November 2015 (Cyprus, Hungary, Luxembourg and Romania) have communicated to the secretariat that they plan to submit their inventory submissions prior to the start of the twenty-first session of the Conference of the Parties. Once these submissions have been made, they will be available on the UNFCCC website <http://unfccc.int/8812.php>.

Abbreviations: CRF = common reporting format, NIR = national inventory report.

B. Recalculations

10. According to the UNFCCC Annex I inventory reporting guidelines, Parties should, where necessary, conduct recalculations in order to improve the quality of their emission estimates and ensure the consistency of the time series. As 2015 was the first year for Parties to use the revised reporting guidelines contained in decision 24/CP.19, recalculations of or comparisons with previous inventories are not included in this report.

III. Overview of emission trends and sources in Annex I Parties

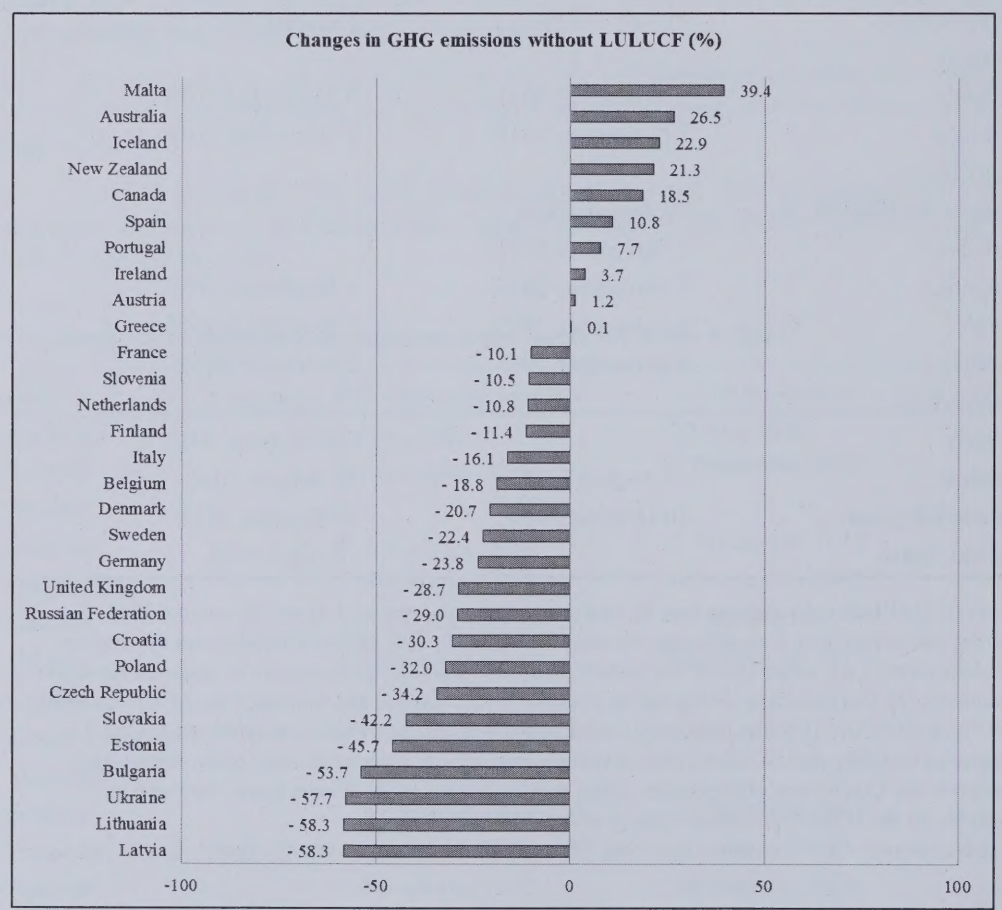
A. Total aggregate greenhouse gas emissions

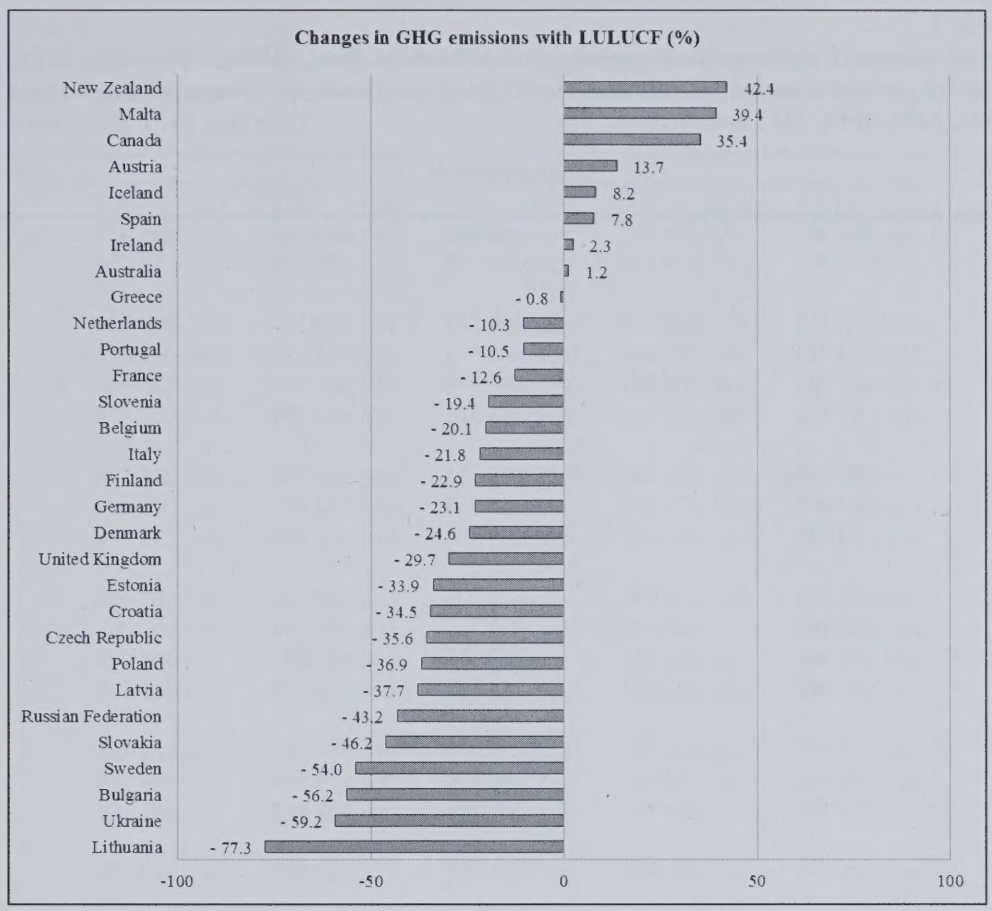
11. The total aggregate GHG emissions for Annex I Parties cannot be presented in this report because submissions were not received from all Parties. It was also not possible to interpolate or extrapolate data from the previous year's submissions because of the change in the reporting guidelines from 2015.

B. Emission data for individual Annex I Parties

12. The changes in total aggregate GHG emissions over the period 1990–2013 for the 30 reporting Parties are shown in the figure below.

Changes in total aggregate greenhouse gas emissions of individual Annex I Parties, 1990–2013





Abbreviations: GHG = greenhouse gas, LULUCF = land use, land-use change and forestry.

13. Tables 2–14 show detailed GHG data for individual Annex I Parties. Total aggregate GHG emissions without and with emissions and removals from LULUCF are provided in tables 2 and 3; emissions of CO_2, CH_4 and N_2O (without and with emissions and removals from LULUCF) are provided in tables 4–9; emissions of HFCs, PFCs, SF_6, MIX and NF_3 taken together are provided in table 10; emissions and removals from LULUCF are provided in tables 11–13; and indirect CO_2 emissions are provided in table 14.

14. Blank cells in the tables denote that either data were not available or notation keys, such as "NO" (not occurring), "NE" (not estimated), "NA" (not applicable), "IE" (included elsewhere) or "C" (confidential), were used to report emission data. Negative values denote removals; positive values denote emissions.

15. The changes in emissions from 1990 to 2013 were calculated using the exact (not rounded) values and may therefore differ from a ratio calculated with the rounded numbers provided in the tables. An en dash (–) signifies a percentage change exceeding 10,000 per cent.

Table 2

Total aggregate anthropogenic emissions of CO_2, CH_4, N_2O, HFCs, PFCs, SF_6, MIX and NF_3 without emissions/removals from land use, land-use change and forestry, 1990, 2000, 2010, 2012 and 2013

	kt CO_2 equivalent					*Change from 1990*
Party	*1990*	*2000*	*2010*	*2012*	*2013*	*to 2013 (%)*
Australia	428 291	496 982	546 400	549 756	541 924	26.5
Austria	78 683	80 124	84 788	79 793	79 599	1.2
Belarus[a]						
Belgium	147 118	149 349	133 338	119 220	119 424	–18.8
Bulgaria[a, b]	120 742	59 646	60 573	61 192	55 893	–53.7
Canada	612 753	744 883	707 038	715 220	726 051	18.5
Croatia[a]	35 116	27 039	28 326	25 505	24 493	–30.3
Cyprus						
Czech Republic[a]	193 356	146 084	135 634	130 598	127 144	–34.2
Denmark	70 623	71 184	64 044	54 077	56 001	–20.7
Estonia[a]	40 030	17 079	19 890	19 408	21 741	–45.7
European Union						
Finland	71 066	69 990	75 707	62 366	62 989	–11.4
France	552 463	558 608	522 328	495 734	496 761	–10.1
Germany	1 247 868	1 044 357	942 657	928 093	950 673	–23.8
Greece	105 008	127 937	119 115	112 579	105 111	0.1
Hungary[a, b]						
Iceland	3 849	4 175	4 948	4 787	4 731	22.9
Ireland	56 672	69 015	62 870	59 536	58 755	3.7
Italy	521 058	553 742	506 489	468 913	437 268	–16.1
Japan						
Latvia[a]	26 184	10 147	11 897	10 967	10 914	–58.3
Liechtenstein						
Lithuania[a]	47 812	19 571	20 906	21 242	19 946	–58.3
Luxembourg						
Malta	2 000	2 573	3 025	3 171	2 788	39.4
Monaco						
Netherlands	219 477	218 966	213 792	196 268	195 807	–10.8
New Zealand	66 720	77 342	79 668	82 078	80 962	21.3
Norway						
Poland[a, b]	580 896	392 799	408 110	398 812	394 892	–32.0
Portugal	60 426	83 602	70 339	66 956	65 071	7.7
Romania[a, b]						
Russian Federation[a]	3 941 300	2 430 552	2 770 055	2 862 272	2 799 434	–29.0
Slovakia[a]	75 533	50 244	46 948	43 707	43 679	–42.2
Slovenia[a, b]	20 300	19 074	19 494	18 898	18 166	–10.5
Spain	290 740	389 828	356 820	348 722	322 003	10.8
Sweden	71 837	68 687	64 982	57 325	55 774	–22.4
Switzerland						
Turkey[c]						
Ukraine[a]	912 660	403 636	385 764	398 310	385 933	–57.7
United Kingdom	807 223	723 831	619 776	589 222	575 696	–28.7
United States						
Number of Parties showing a decrease in emissions by more than 1 per cent:						*20*
Number of Parties showing a change in emissions within 1 per cent:						*1*
Number of Parties showing an increase in emissions by more than 1 per cent:						*9*

[a] A Party with an economy in transition.

[b] Data for the base year defined by decisions 9/CP.2 and 11/CP.4 (Bulgaria (1988), Hungary (average of 1985–1987), Poland (1988), Romania (1989) and Slovenia (1986)) are used for this Party instead of 1990 data.

[c] Decision 26/CP.7 invited Parties to recognize the special circumstances of Turkey, which place it in a situation different from that of other Parties included in Annex I to the Convention.

Table 3

Total aggregate anthropogenic emissions of CO_2, CH_4, N_2O, HFCs, PFCs, SF_6, MIX and NF_3 with emissions/removals from land use, land-use change and forestry, 1990, 2000, 2010, 2012 and 2013

	kt CO_2 equivalent					*Change from 1990*
Party	*1990*	*2000*	*2010*	*2012*	*2013*	*to 2013 (%)*
Australia	531 592	554 791	574 495	544 676	537 964	1.2
Austria	65 642	63 236	78 621	73 777	74 621	13.7
Belarus[a]						
Belgium	144 783	147 579	129 520	115 379	115 667	–20.1
Bulgaria[a, b]	106 341	49 787	51 871	52 091	46 590	–56.2
Canada	525 253	668 284	788 419	775 313	710 977	35.4
Croatia[a]	29 579	19 877	22 066	20 469	19 368	–34.5
Cyprus						
Czech Republic[a]	187 036	138 969	130 331	123 560	120 402	–35.6
Denmark	77 395	75 949	67 091	56 349	58 393	–24.6
Estonia[a]	32 393	18 010	14 971	17 945	21 411	–33.9
European Union						
Finland	55 267	45 466	49 028	34 492	42 609	–22.9
France	514 939	525 072	482 946	446 954	450 194	–12.6
Germany	1 215 337	1 005 042	924 995	912 347	934 979	–23.1
Greece	102 622	125 983	116 364	109 805	101 792	–0.8
Hungary[a, b]						
Iceland	15 345	15 724	16 804	16 654	16 603	8.2
Ireland	61 197	74 847	67 186	65 144	62 628	2.3
Italy	515 619	535 440	472 283	448 115	403 186	–21.8
Japan						
Latvia[a]	17 285	3 017	12 778	10 550	10 766	–37.7
Liechtenstein						
Lithuania[a]	43 935	10 426	9 698	12 322	9 982	–77.3
Luxembourg						
Malta	1 998	2 571	3 023	3 168	2 785	39.4
Monaco						
Netherlands	225 148	225 163	219 715	202 444	202 044	–10.3
New Zealand	38 066	46 997	47 611	54 229	54 201	42.4
Norway						
Poland[a, b]	566 454	361 857	379 924	364 307	357 305	–36.9
Portugal	62 208	77 622	58 948	56 801	55 682	–10.5
Romania[a, b]						
Russian Federation[a]	4 141 923	2 124 204	2 321 125	2 423 176	2 351 321	–43.2
Slovakia[a]	66 495	41 219	41 513	36 390	35 778	–46.2
Slovenia[a, b]	16 654	13 339	14 606	14 143	13 420	–19.4
Spain	267 205	358 324	323 054	314 961	287 954	7.8
Sweden	30 933	26 550	21 174	14 295	14 223	–54.0
Switzerland						
Turkey[c]						
Ukraine[a]	850 834	348 824	342 450	365 995	347 290	–59.2
United Kingdom	811 206	724 680	615 504	584 265	570 452	–29.7
United States						
Number of Parties showing a decrease in emissions by more than 1 per cent:						*21*
Number of Parties showing a change in emissions within 1 per cent:						*1*
Number of Parties showing an increase in emissions by more than 1 per cent:						*8*

[a] A Party with an economy in transition.

[b] Data for the base year defined by decisions 9/CP.2 and 11/CP.4 (Bulgaria (1988), Hungary (average of 1985–1987), Poland (1988), Romania (1989) and Slovenia (1986)) are used for this Party instead of 1990 data.

[c] Decision 26/CP.7 invited Parties to recognize the special circumstances of Turkey, which place it in a situation different from that of other Parties included in Annex I to the Convention.

Table 4
Total anthropogenic CO_2 emissions without emissions/removals from land use, land-use change and forestry, 1990, 2000, 2010, 2012 and 2013

	kt CO_2 equivalent					*Change from 1990*
Party	*1990*	*2000*	*2010*	*2012*	*2013*	*to 2013 (%)*
Australia	278 220	349 884	404 774	405 836	398 528	43.2
Austria	62 217	66 229	72 691	67 843	67 768	8.9
Belarus[a]						
Belgium	120 927	126 139	114 014	101 261	101 662	–15.9
Bulgaria[a, b]	90 783	45 669	47 825	48 337	42 756	–52.9
Canada	462 703	572 023	556 401	562 009	569 657	23.1
Croatia[a]	24 074	20 074	21 432	19 023	18 621	–22.7
Cyprus						
Czech Republic[a]	161 700	125 307	115 034	109 011	106 067	–34.4
Denmark	54 859	55 600	50 602	41 100	42 964	–21.7
Estonia[a]	36 759	15 170	17 820	17 296	19 641	–46.6
European Union						
Finland	56 928	57 101	63 695	51 078	51 692	–9.2
France	400 640	416 963	393 872	369 513	371 495	–7.3
Germany	1 050 885	899 386	833 112	817 913	840 605	–20.0
Greece	83 301	102 926	96 942	90 625	82 917	–0.5
Hungary[a, b]						
Iceland	2 105	2 727	3 383	3 289	3 269	55.3
Ireland	32 742	45 095	41 554	38 067	37 057	13.2
Italy	436 204	465 173	428 936	391 067	360 423	–17.4
Japan						
Latvia[a]	19 539	7 012	8 478	7 415	7 276	–62.8
Liechtenstein						
Lithuania[a]	35 826	11 817	13 621	13 998	13 032	–63.6
Luxembourg						
Malta	1 870	2 359	2 626	2 800	2 418	29.3
Monaco						
Netherlands	160 456	170 910	182 741	166 754	166 229	3.6
New Zealand	25 392	32 315	34 605	35 605	34 611	36.3
Norway						
Poland[a, b]	474 657	319 483	336 695	326 970	322 900	–32.0
Portugal	44 896	65 355	52 204	49 146	47 408	5.6
Romania[a, b]						
Russian Federation[a]	2 590 118	1 504 543	1 662 965	1 727 975	1 666 539	–35.7
Slovakia[a]	61 745	41 101	38 344	35 844	35 774	–42.1
Slovenia[a, b]	16 662	15 485	16 380	15 810	15 166	–9.0
Spain	229 788	311 165	283 141	278 778	251 874	9.6
Sweden	57 509	54 710	53 083	46 454	44 812	–22.1
Switzerland						
Turkey[c]						
Ukraine[a]	691 344	275 008	286 294	297 862	288 392	–58.3
United Kingdom	596 435	561 170	507 592	483 708	475 180	–20.3
United States						
Number of Parties showing a decrease in emissions by more than 1 per cent:						*19*
Number of Parties showing a change in emissions within 1 per cent:						*1*
Number of Parties showing an increase in emissions by more than 1 per cent:						*10*

[a] A Party with an economy in transition.

[b] Data for the base year defined by decisions 9/CP.2 and 11/CP.4 (Bulgaria (1988), Hungary (average of 1985–1987), Poland (1988), Romania (1989) and Slovenia (1986)) are used for this Party instead of 1990 data.

[c] Decision 26/CP.7 invited Parties to recognize the special circumstances of Turkey, which place it in a situation different from that of other Parties included in Annex I to the Convention.

Table 5

Total anthropogenic CO_2 emissions with emissions/removals from land use, land-use change and forestry, 1990, 2000, 2010, 2012 and 2013

	kt CO_2 equivalent					*Change from 1990*
Party	*1990*	*2000*	*2010*	*2012*	*2013*	*to 2013 (%)*
Australia	371 913	401 739	426 435	398 136	391 109	5.2
Austria	49 160	49 327	66 506	61 808	62 770	27.7
Belarus[a]						
Belgium	118 577	124 312	110 097	97 322	97 807	–17.5
Bulgaria[a, b]	76 379	35 569	39 095	39 182	33 439	–56.2
Canada	368 640	491 665	618 937	604 502	545 237	47.9
Croatia[a]	18 531	12 744	15 160	13 911	13 482	–27.2
Cyprus						
Czech Republic[a]	155 239	118 067	109 562	101 888	99 246	–36.1
Denmark	61 586	60 316	53 555	43 321	45 276	–26.5
Estonia[a]	29 120	16 098	12 893	15 826	19 304	–33.7
European Union						
Finland	38 326	29 953	34 772	21 030	29 137	–24.0
France	361 621	381 459	352 969	319 322	323 488	–10.5
Germany	1 016 520	858 304	813 702	800 397	823 125	–19.0
Greece	80 862	100 792	94 177	87 784	79 585	–1.6
Hungary[a, b]						
Iceland	9 799	10 447	11 365	11 275	11 256	14.9
Ireland	36 646	50 215	44 512	42 871	39 987	9.1
Italy	428 785	445 744	394 255	368 830	326 105	–23.9
Japan						
Latvia[a]	9 757	–1 093	8 377	5 974	6 081	–37.7
Liechtenstein						
Lithuania[a]	31 910	2 630	2 377	5 044	3 034	–90.5
Luxembourg						
Malta	1 867	2 356	2 623	2 797	2 416	29.3
Monaco						
Netherlands	166 122	177 059	188 582	172 841	172 371	3.8
New Zealand	–3 528	1 688	2 292	7 535	7 648	–316.8
Norway						
Poland[a, b]	460 160	288 499	308 474	292 423	285 273	–38.0
Portugal	45 933	58 741	40 298	38 449	37 500	–18.4
Romania[a, b]						
Russian Federation[a]	2 759 102	1 160 540	1 160 131	1 239 465	1 167 772	–57.7
Slovakia[a]	52 634	32 035	32 875	28 500	27 849	–47.1
Slovenia[a, b]	13 003	9 735	11 478	11 036	10 407	–20.0
Spain	206 013	279 269	249 104	244 670	217 584	5.6
Sweden	14 975	10 876	7 462	1 578	1 405	–90.6
Switzerland						
Turkey[c]						
Ukraine[a]	629 432	220 128	242 886	265 461	249 685	–60.3
United Kingdom	599 314	560 959	502 525	477 933	469 192	–21.7
United States						
Number of Parties showing a decrease in emissions by more than 1 per cent:						*22*
Number of Parties showing a change in emissions within 1 per cent:						*0*
Number of Parties showing an increase in emissions by more than 1 per cent:						*8*

[a] A Party with an economy in transition.

[b] Data for the base year defined by decisions 9/CP.2 and 11/CP.4 (Bulgaria (1988), Hungary (average of 1985–1987), Poland (1988), Romania (1989) and Slovenia (1986)) are used for this Party instead of 1990 data.

[c] Decision 26/CP.7 invited Parties to recognize the special circumstances of Turkey, which place it in a situation different from that of other Parties included in Annex I to the Convention.

Table 6

Total anthropogenic CH_4 emissions without emissions/removals from land use, land-use change and forestry, 1990, 2000, 2010, 2012 and 2013

	kt CO_2 equivalent					*Change from 1990*
Party	*1990*	*2000*	*2010*	*2012*	*2013*	*to 2013 (%)*
Australia	126 928	122 341	110 708	111 244	110 581	–12.9
Austria	10 614	8 296	6 947	6 634	6 530	–38.5
Belarus[a]						
Belgium	12 787	11 640	9 428	9 018	8 880	–30.6
Bulgaria[a, b]	19 502	10 080	8 587	8 460	8 318	–57.3
Canada	96 036	121 275	104 186	105 370	106 758	11.2
Croatia[a]	6 953	4 360	4 037	3 689	3 581	–48.5
Cyprus						
Czech Republic[a]	21 066	13 529	12 615	13 111	12 427	–41.0
Denmark	7 845	7 895	7 250	7 007	6 927	–11.7
Estonia[a]	1 871	1 223	1 167	1 127	1 116	–40.4
European Union						
Finland	7 747	6 662	5 489	5 267	5 129	–33.8
France	69 164	69 950	62 864	60 694	59 641	–13.8
Germany	118 887	89 100	59 503	59 235	58 629	–50.7
Greece	12 928	13 277	12 130	11 837	11 708	–9.4
Hungary[a, b]						
Iceland	474	516	539	502	490	3.5
Ireland	14 882	14 532	12 632	12 890	13 232	–11.1
Italy	53 966	55 034	46 634	45 507	44 074	–18.3
Japan						
Latvia[a]	3 996	1 995	1 959	1 994	2 036	–49.0
Liechtenstein						
Lithuania[a]	6 954	3 824	3 749	3 577	3 481	–49.9
Luxembourg						
Malta	87	149	209	124	105	21.1
Monaco						
Netherlands	32 936	25 510	20 181	19 242	19 228	–41.6
New Zealand	33 291	36 224	35 052	35 781	35 616	7.0
Norway						
Poland[a, b]	77 250	49 172	43 515	42 727	42 097	–45.5
Portugal	11 339	13 291	12 771	12 477	12 213	7.7
Romania[a, b]						
Russian Federation[a]	1 115 746	790 068	994 561	1 017 074	1 023 989	–8.2
Slovakia[a]	7 071	5 415	4 677	4 379	4 528	–36.0
Slovenia[a, b]	2 465	2 390	2 063	2 001	1 948	–21.0
Spain	32 507	38 786	39 289	38 651	38 169	17.4
Sweden	8 056	7 228	5 719	5 379	5 265	–34.6
Switzerland						
Turkey[c]						
Ukraine[a]	179 405	109 634	77 548	76 546	71 719	–60.0
United Kingdom	137 219	114 097	67 213	61 382	56 394	–58.9
United States						
Number of Parties showing a decrease in emissions by more than 1 per cent:						*24*
Number of Parties showing a change in emissions within 1 per cent:						*0*
Number of Parties showing an increase in emissions by more than 1 per cent:						*6*

[a] A Party with an economy in transition.

[b] Data for the base year defined by decisions 9/CP.2 and 11/CP.4 (Bulgaria (1988), Hungary (average of 1985–1987), Poland (1988), Romania (1989) and Slovenia (1986)) are used for this Party instead of 1990 data.

[c] Decision 26/CP.7 invited Parties to recognize the special circumstances of Turkey, which place it in a situation different from that of other Parties included in Annex I to the Convention.

Table 7

Total anthropogenic CH_4 emissions with emissions/removals from land use, land-use change and forestry, 1990, 2000, 2010, 2012 and 2013

	kt CO_2 equivalent					*Change from 1990*
Party	*1990*	*2000*	*2010*	*2012*	*2013*	*to 2013 (%)*
Australia	131 952	125 429	112 707	112 726	112 099	–15.0
Austria	10 614	8 296	6 947	6 634	6 530	–38.5
Belarus[a]						
Belgium	12 788	11 640	9 428	9 018	8 880	–30.6
Bulgaria[a, b]	19 504	10 284	8 609	8 506	8 330	–57.3
Canada	100 469	123 876	116 778	117 251	113 054	12.5
Croatia[a]	6 954	4 456	4 038	3 728	3 583	–48.5
Cyprus						
Czech Republic[a]	21 181	13 635	12 762	13 181	12 491	–41.0
Denmark	7 855	7 904	7 257	7 014	6 934	–11.7
Estonia[a]	1 871	1 225	1 167	1 127	1 116	–40.4
European Union						
Finland	9 287	8 012	6 470	6 189	6 051	–34.8
France	70 484	71 791	64 254	61 984	60 965	–13.5
Germany	119 742	89 952	60 352	60 082	59 475	–50.3
Greece	12 977	13 443	12 142	11 899	11 721	–9.7
Hungary[a, b]						
Iceland	2 848	2 862	2 811	2 765	2 748	–3.5
Ireland	15 356	15 028	13 578	13 369	13 832	–9.9
Italy	55 640	55 981	46 992	46 711	44 273	–20.4
Japan						
Latvia[a]	4 300	2 339	2 263	2 326	2 385	–44.5
Liechtenstein						
Lithuania[a]	6 957	3 828	3 750	3 578	3 482	–50.0
Luxembourg						
Malta	87	149	209	124	105	21.1
Monaco						
Netherlands	32 936	25 510	20 181	19 242	19 229	–41.6
New Zealand	33 381	36 305	35 158	35 862	35 688	6.9
Norway						
Poland[a, b]	77 294	49 204	43 547	42 758	42 134	–45.5
Portugal	11 544	13 476	12 922	12 651	12 366	7.1
Romania[a, b]						
Russian Federation[a]	1 136 928	810 408	1 017 352	1 039 649	1 044 963	–8.1
Slovakia[a]	7 078	5 426	4 692	4 392	4 537	–35.9
Slovenia[a, b]	2 465	2 391	2 064	2 006	1 948	–21.0
Spain	32 713	38 977	39 364	38 826	38 260	17.0
Sweden	8 507	7 682	6 175	5 840	5 729	–32.7
Switzerland						
Turkey[c]						
Ukraine[a]	179 414	109 638	77 575	76 568	71 720	–60.0
United Kingdom	137 240	114 142	67 259	61 450	56 430	–58.9
United States						
Number of Parties showing a decrease in emissions by more than 1 per cent:						*25*
Number of Parties showing a change in emissions within 1 per cent:						*0*
Number of Parties showing an increase in emissions by more than 1 per cent:						*5*

[a] A Party with an economy in transition.

[b] Data for the base year defined by decisions 9/CP.2 and 11/CP.4 (Bulgaria (1988), Hungary (average of 1985–1987), Poland (1988), Romania (1989) and Slovenia (1986)) are used for this Party instead of 1990 data.

[c] Decision 26/CP.7 invited Parties to recognize the special circumstances of Turkey, which place it in a situation different from that of other Parties included in Annex I to the Convention.

Table 8

Total anthropogenic N_2O emissions without emissions/removals from land use, land-use change and forestry, 1990, 2000, 2010, 2012 and 2013

	kt CO_2 equivalent					*Change from 1990*
Party	*1990*	*2000*	*2010*	*2012*	*2013*	*to 2013 (%)*
Australia	16 900	21 666	22 330	22 900	22 529	33.3
Austria	4 197	4 213	3 251	3 289	3 264	–22.2
Belarus[a]						
Belgium	9 638	9 860	7 299	6 012	5 808	–39.7
Bulgaria[a, b]	10 454	3 865	3 549	3 624	3 901	–62.7
Canada	42 258	40 107	38 408	39 449	41 183	–2.5
Croatia[a]	2 838	2 395	2 304	2 219	1 707	–39.9
Cyprus						
Czech Republic[a]	10 574	7 002	5 965	6 013	5 945	–43.8
Denmark	7 875	6 899	5 166	5 021	5 157	–34.5
Estonia[a]	1 400	604	727	790	779	–44.4
European Union						
Finland	6 339	5 629	4 680	4 517	4 574	–27.8
France	70 828	59 708	46 218	44 702	44 595	–37.0
Germany	64 846	42 814	36 348	36 804	37 162	–42.7
Greece	7 403	6 346	5 522	4 906	4 663	–37.0
Hungary[a, b]						
Iceland	775	738	705	726	712	–8.1
Ireland	9 013	8 586	7 476	7 396	7 136	–20.8
Italy	27 130	29 463	19 263	19 517	19 105	–29.6
Japan						
Latvia[a]	2 649	1 133	1 373	1 459	1 484	–44.0
Liechtenstein						
Lithuania[a]	5 032	3 914	3 301	3 377	3 112	–38.1
Luxembourg						
Malta	43	62	47	48	47	8.6
Monaco						
Netherlands	17 610	15 657	7 874	7 629	7 798	–55.7
New Zealand	7 295	8 446	8 689	9 061	9 053	24.1
Norway						
Poland[a, b]	28 841	22 206	19 543	19 826	20 234	–29.8
Portugal	4 190	4 649	3 804	3 543	3 667	–12.5
Romania[a, b]						
Russian Federation[a]	183 230	98 812	94 867	94 633	89 969	–50.9
Slovakia[a]	6 403	3 615	3 354	2 906	2 811	–56.1
Slovenia[a, b]	930	1 010	769	777	746	–19.8
Spain	24 279	28 813	24 312	22 122	23 001	–5.3
Sweden	5 731	5 752	4 962	4 470	4 741	–17.3
Switzerland						
Turkey[c]						
Ukraine[a]	41 676	18 858	21 146	23 064	24 943	–40.2
United Kingdom	56 086	35 675	28 242	27 004	27 003	–51.9
United States						
Number of Parties showing a decrease in emissions by more than 1 per cent:						*27*
Number of Parties showing a change in emissions within 1 per cent:						*0*
Number of Parties showing an increase in emissions by more than 1 per cent:						*3*

[a] A Party with an economy in transition.

[b] Data for the base year defined by decisions 9/CP.2 and 11/CP.4 (Bulgaria (1988), Hungary (average of 1985–1987), Poland (1988), Romania (1989) and Slovenia (1986)) are used for this Party instead of 1990 data.

[c] Decision 26/CP.7 invited Parties to recognize the special circumstances of Turkey, which place it in a situation different from that of other Parties included in Annex I to the Convention.

Table 9

Total anthropogenic N_2O emissions with emissions/removals from land use, land-use change and forestry, 1990, 2000, 2010, 2012 and 2013

	kt CO_2 equivalent					*Change from 1990*
Party	*1990*	*2000*	*2010*	*2012*	*2013*	*to 2013 (%)*
Australia	21 485	24 532	26 765	24 039	24 471	13.9
Austria	4 212	4 227	3 269	3 308	3 283	–22.0
Belarus[a]						
Belgium	9 652	9 918	7 398	6 110	5 906	–38.8
Bulgaria[a, b]	10 454	3 902	3 553	3 633	3 903	–62.7
Canada	44 389	41 264	44 660	45 168	44 234	–0.3
Croatia[a]	2 844	2 466	2 314	2 256	1 718	–39.6
Cyprus						
Czech Republic[a]	10 600	7 021	5 987	6 029	5 960	–43.8
Denmark	7 911	6 941	5 253	5 065	5 229	–33.9
Estonia[a]	1 402	606	733	797	786	–43.9
European Union						
Finland	7 602	6 902	5 944	5 770	5 827	–23.3
France	71 003	59 835	46 349	44 822	44 712	–37.0
Germany	65 825	43 728	37 247	37 727	38 103	–42.1
Greece	7 407	6 360	5 523	4 911	4 664	–37.0
Hungary[a, b]						
Iceland	2 202	2 221	2 306	2 344	2 339	6.2
Ireland	9 160	8 802	7 889	7 720	7 479	–18.3
Italy	27 435	29 643	19 380	19 752	19 142	–30.2
Japan						
Latvia[a]	3 228	1 764	2 052	2 151	2 183	–32.4
Liechtenstein						
Lithuania[a]	5 068	3 951	3 335	3 410	3 146	–37.9
Luxembourg						
Malta	43	62	47	48	47	8.6
Monaco						
Netherlands	17 615	15 705	7 956	7 717	7 892	–55.2
New Zealand	7 471	8 647	8 840	9 202	9 182	22.9
Norway						
Poland[a, b]	28 853	22 214	19 547	19 835	20 237	–29.9
Portugal	4 731	5 098	4 167	3 911	4 033	–14.8
Romania[a, b]						
Russian Federation[a]	193 686	116 127	125 979	121 473	119 650	–38.2
Slovakia[a]	6 468	3 645	3 372	2 922	2 825	–56.3
Slovenia[a, b]	944	1 023	782	792	759	–19.6
Spain	24 313	29 014	24 507	22 295	23 152	–4.8
Sweden	6 910	6 995	6 320	5 855	6 132	–11.3
Switzerland						
Turkey[c]						
Ukraine[a]	41 752	18 922	21 214	23 127	25 005	–40.1
United Kingdom	57 169	36 690	28 991	27 754	27 711	–51.5
United States						
Number of Parties showing a decrease in emissions by more than 1 per cent:						*25*
Number of Parties showing a change in emissions within 1 per cent:						*1*
Number of Parties showing an increase in emissions by more than 1 per cent:						*4*

[a] A Party with an economy in transition.

[b] Data for the base year defined by decisions 9/CP.2 and 11/CP.4 (Bulgaria (1988), Hungary (average of 1985–1987), Poland (1988), Romania (1989) and Slovenia (1986)) are used for this Party instead of 1990 data.

[c] Decision 26/CP.7 invited Parties to recognize the special circumstances of Turkey, which place it in a situation different from that of other Parties included in Annex I to the Convention.

Table 10
Total aggregate anthropogenic emissions of HFCs, PFCs, SF_6, MIX and NF_3, 1990, 2000, 2010, 2012 and 2013

	kt CO_2 equivalent					*Change from 1990*
Party	*1990*	*2000*	*2010*	*2012*	*2013*	*to 2013 (%)*
Australia	6 243	3 091	8 588	9 776	10 285	64.7
Austria	1 656	1 386	1 900	2 026	2 037	23.0
Belarus[a]						
Belgium	3 766	1 709	2 597	2 930	3 074	–18.4
Bulgaria[a, b]	3	32	613	771	918	–
Canada	11 756	11 478	8 044	8 392	8 452	–28.1
Croatia[a]	1 251	211	553	574	584	–53.3
Cyprus						
Czech Republic[a]	16	247	2 020	2 463	2 705	–
Denmark	43	789	1 026	948	953	2 094.2
Estonia[a]		82	177	195	206	
European Union						
Finland	53	599	1 843	1 504	1 594	2 924.0
France	11 831	11 987	19 374	20 826	21 030	77.8
Germany	13 249	13 058	13 695	14 141	14 277	7.8
Greece	1 376	5 388	4 522	5 211	5 822	323.1
Hungary[a, b]						
Iceland	496	194	321	270	259	–47.8
Ireland	35	802	1 207	1 183	1 329	3 743.5
Italy	3 758	4 073	11 656	12 822	13 666	263.6
Japan						
Latvia[a]		6	87	99	117	
Liechtenstein						
Lithuania[a]		17	236	289	321	
Luxembourg						
Malta	0	4	144	199	218	–
Monaco						
Netherlands	8 476	6 889	2 996	2 644	2 551	–69.9
New Zealand	742	357	1 322	1 631	1 682	126.7
Norway						
Poland[a, b]	147	1 939	8 356	9 290	9 661	6 460.3
Portugal		307	1 560	1 790	1 783	
Romania[a, b]						
Russian Federation[a]	52 207	37 129	17 662	22 590	18 936	–63.7
Slovakia[a]	315	113	574	577	567	80.1
Slovenia[a, b]	243	190	282	310	306	26.0
Spain	4 166	11 064	10 078	9 170	8 958	115.0
Sweden	541	998	1 218	1 023	957	76.9
Switzerland						
Turkey[c]						
Ukraine[a]	236	136	775	839	880	273.0
United Kingdom	17 484	12 888	16 729	17 129	17 119	–2.1
United States						
Number of Parties showing a decrease in emissions by more than 1 per cent:						*7*
Number of Parties showing a change in emissions within 1 per cent:						*0*
Number of Parties showing an increase in emissions by more than 1 per cent:						*19*

[a] A Party with an economy in transition.

[b] Data for the base year defined by decisions 9/CP.2 and 11/CP.4 (Bulgaria (1988), Hungary (average of 1985–1987), Poland (1988), Romania (1989) and Slovenia (1986)) are used for this Party instead of 1990 data.

[c] Decision 26/CP.7 invited Parties to recognize the special circumstances of Turkey, which place it in a situation different from that of other Parties included in Annex I to the Convention.

Table 11

Net anthropogenic CO_2 emissions/removals from land use, land-use change and forestry, 1990, 2000, 2010, 2012 and 2013

	kt CO_2 equivalent					*Change from 1990*
Party	*1990*	*2000*	*2010*	*2012*	*2013*	*to 2013 (%)*
Australia	93 692	51 855	21 661	–7 701	–7 418	–107.9
Austria	–13 057	–16 902	–6 185	–6 035	–4 998	–61.7
Belarus[a]						
Belgium	–2 350	–1 827	–3 917	–3 940	–3 855	64.1
Bulgaria[a, b]	–14 403	–10 100	–8 729	–9 155	–9 317	–35.3
Canada	–94 063	–80 358	62 536	42 493	–24 420	–74.0
Croatia[a]	–5 543	–7 330	–6 272	–5 112	–5 139	–7.3
Cyprus						
Czech Republic[a]	–6 461	–7 240	–5 472	–7 123	–6 822	5.6
Denmark	6 726	4 716	2 953	2 221	2 312	–65.6
Estonia[a]	–7 639	928	–4 927	–1 471	–337	–95.6
European Union						
Finland	–18 601	–27 149	–28 923	–30 048	–22 555	21.3
France	–39 019	–35 505	–40 903	–50 191	–48 007	23.0
Germany	–34 365	–41 082	–19 410	–17 516	–17 481	–49.1
Greece	–2 439	–2 134	–2 765	–2 842	–3 333	36.6
Hungary[a, b]						
Iceland	7 694	7 720	7 983	7 986	7 987	3.8
Ireland	3 903	5 120	2 958	4 804	2 930	–24.9
Italy	–7 419	–19 429	–34 681	–22 237	–34 318	362.6
Japan						
Latvia[a]	–9 782	–8 105	–102	–1 441	–1 195	–87.8
Liechtenstein						
Lithuania[a]	–3 916	–9 187	–11 243	–8 954	–9 998	155.3
Luxembourg						
Malta	–2.57	–2.64	–2.90	–3.01	–2.97	15.7
Monaco						
Netherlands	5 665	6 149	5 841	6 087	6 142	8.4
New Zealand	–28 920	–30 627	–32 313	–28 070	–26 962	–6.8
Norway						
Poland[a, b]	–14 497	–30 984	–28 221	–34 546	–37 627	159.5
Portugal	1 037	–6 614	–11 907	–10 698	–9 909	–1 055.6
Romania[a, b]						
Russian Federation[a]	168 983	–344 002	–502 835	–488 511	–498 767	–395.2
Slovakia[a]	–9 110	–9 066	–5 468	–7 345	–7 924	–13.0
Slovenia[a, b]	–3 659	–5 750	–4 902	–4 775	–4 760	30.1
Spain	–23 775	–31 896	–34 036	–34 109	–34 291	44.2
Sweden	–42 534	–43 834	–45 621	–44 876	–43 406	2.1
Switzerland						
Turkey[c]						
Ukraine[a]	–61 912	–54 880	–43 408	–32 401	–38 706	–37.5
United Kingdom	2 879	–211	–5 067	–5 774	–5 988	–308.0
United States						
Number of Parties showing a decrease in emissions by more than 1 per cent:						*16*
Number of Parties showing a change in emissions within 1 per cent:						*0*
Number of Parties showing an increase in emissions by more than 1 per cent:						*14*

[a] A Party with an economy in transition.

[b] Data for the base year defined by decisions 9/CP.2 and 11/CP.4 (Bulgaria (1988), Hungary (average of 1985–1987), Poland (1988), Romania (1989) and Slovenia (1986)) are used for this Party instead of 1990 data.

[c] Decision 26/CP.7 invited Parties to recognize the special circumstances of Turkey, which place it in a situation different from that of other Parties included in Annex I to the Convention.

Table 12

Anthropogenic CH_4 emissions from land use, land-use change and forestry, 1990, 2000, 2010, 2012 and 2013

	kt CO_2 equivalent					*Change from 1990*
Party	*1990*	*2000*	*2010*	*2012*	*2013*	*to 2013 (%)*
Australia	5 023	3 088	1 999	1 482	1 518	–69.8
Austria	0.47	0.10	0.11	0.13	0.21	–54.8
Belarus[a]						
Belgium	1	0				
Bulgaria[a, b]	2	204	23	46	12	618.1
Canada	4 433	2 602	12 592	11 881	6 295	42.0
Croatia[a]	1.23	96.91	1.76	38.88	1.93	56.7
Cyprus						
Czech Republic[a]	115	106	147	70	65	–43.7
Denmark	10.20	8.28	7.06	7.26	7.01	–31.2
Estonia[a]	0.34	1.39	0.13	0.08	0.08	–77.8
European Union						
Finland	1 540	1 350	981	922	922	–40.1
France	1 321	1 841	1 390	1 290	1 324	0.3
Germany	855	852	849	847	846	–1.0
Greece	49	166	12	62	13	–73.5
Hungary[a, b]						
Iceland	2 374	2 346	2 272	2 263	2 258	–4.9
Ireland	475	495	945	479	600	26.4
Italy	1 673	947	358	1 204	199	–88.1
Japan						
Latvia[a]	304	344	304	332	349	14.8
Liechtenstein						
Lithuania[a]	2.88	3.93	1.24	0.98	0.78	–72.9
Luxembourg						
Malta						
Monaco						
Netherlands	0.20	0.24	0.27	0.27	0.28	39.1
New Zealand	90	80	105	80	72	–19.8
Norway						
Poland[a, b]	44	33	32	32	37	–16.2
Portugal	205	185	152	174	154	–25.1
Romania[a, b]						
Russian Federation[a]	21 183	20 340	22 792	22 575	20 974	–1.0
Slovakia[a]	7	11	15	12	9	21.3
Slovenia[a, b]		0.90	0.48	5.50	0.46	
Spain	206	191	75	175	91	–55.9
Sweden	451	454	456	461	465	3.0
Switzerland						
Turkey[c]						
Ukraine[a]	9.39	3.85	26.40	22.17	0.52	–94.4
United Kingdom	21	45	46	68	36	69.6
United States						
Number of Parties showing a decrease in emissions by more than 1 per cent:						*16*
Number of Parties showing a change in emissions within 1 per cent:						*2*
Number of Parties showing an increase in emissions by more than 1 per cent:						*9*

[a] A Party with an economy in transition.

[b] Data for the base year defined by decisions 9/CP.2 and 11/CP.4 (Bulgaria (1988), Hungary (average of 1985–1987), Poland (1988), Romania (1989) and Slovenia (1986)) are used for this Party instead of 1990 data.

[c] Decision 26/CP.7 invited Parties to recognize the special circumstances of Turkey, which place it in a situation different from that of other Parties included in Annex I to the Convention.

Table 13

Anthropogenic N_2O emissions from land use, land-use change and forestry, 1990, 2000, 2010, 2012 and 2013

	kt CO_2 equivalent					*Change from 1990*
Party	*1990*	*2000*	*2010*	*2012*	*2013*	*to 2013 (%)*
Australia	4 585	2 866	4 435	1 139	1 941	–57.7
Austria	15	14	18	19	20	32.6
Belarus[a]						
Belgium	14	58	99	98	98	594.3
Bulgaria[a, b]	0.30	37.59	4.24	8.47	2.15	618.1
Canada	2 131	1 157	6 253	5 719	3 051	43.2
Croatia[a]	6	71	9	36	12	113.0
Cyprus						
Czech Republic[a]	26	19	21	16	15	–42.9
Denmark	36	41	87	44	73	103.0
Estonia[a]	1.43	1.62	6.88	7.06	7.07	394.1
European Union						
Finland	1 263	1 274	1 264	1 252	1 253	–0.8
France	175	128	131	120	117	–33.0
Germany	979	914	899	923	941	–3.9
Greece	4.02	13.62	1.03	5.08	1.08	–73.2
Hungary[a, b]						
Iceland	1 428	1 484	1 602	1 618	1 627	14.0
Ireland	147	216	413	325	344	134.1
Italy	306	180	117	235	37	–87.8
Japan						
Latvia[a]	579	631	679	692	699	20.7
Liechtenstein						
Lithuania[a]	36	37	34	33	33	–9.1
Luxembourg						
Malta						
Monaco						
Netherlands	6	48	82	88	94	1 533.6
New Zealand	176	201	151	141	130	–26.4
Norway						
Poland[a, b]	11.18	8.73	3.85	9.13	3.34	–70.1
Portugal	541	449	364	368	366	–32.4
Romania[a, b]						
Russian Federation[a]	10 457	17 315	31 113	26 840	29 681	183.8
Slovakia[a]	65	31	18	16	14	–78.1
Slovenia[a, b]	13	13	13	14	13	–0.2
Spain	34	201	195	173	151	348.6
Sweden	1 179	1 243	1 358	1 384	1 391	17.9
Switzerland						
Turkey[c]						
Ukraine[a]	77	64	68	64	62	–18.7
United Kingdom	1 083	1 015	748	750	708	–34.6
United States						
Number of Parties showing a decrease in emissions by more than 1 per cent:						*13*
Number of Parties showing a change in emissions within 1 per cent:						*2*
Number of Parties showing an increase in emissions by more than 1 per cent:						*14*

[a] A Party with an economy in transition.

[b] Data for the base year defined by decisions 9/CP.2 and 11/CP.4 (Bulgaria (1988), Hungary (average of 1985–1987), Poland (1988), Romania (1989) and Slovenia (1986)) are used for this Party instead of 1990 data.

[c] Decision 26/CP.7 invited Parties to recognize the special circumstances of Turkey, which place it in a situation different from that of other Parties included in Annex I to the Convention.

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Table 14
Indirect CO_2 emissions, 1990, 2000, 2010, 2012 and 2013

Party	*kt CO_2 equivalent*					*Change from 1990 to 2013 (%)*
	1990	*2000*	*2010*	*2012*	*2013*	
Australia						
Austria						
Belarus[a]						
Belgium						
Bulgaria[a, b]						
Canada						
Croatia[a]						
Cyprus						
Czech Republic[a]	3 638	2 452	2 071	1 962	2 249	–38.2
Denmark	1 247	906	572	489	465	–62.7
Estonia[a]	21	19	13	15	14	–34.0
European Union						
Finland	262	154	96	83	80	–69.3
France	1 994	1 757	1 055	1 024	1 005	–49.6
Germany						
Greece						
Hungary[a, b]						
Iceland						
Ireland	79	76	67	64	66	–16.6
Italy						
Japan						
Latvia[a]	142	127	114	112	112	–21.4
Liechtenstein						
Lithuania[a]						
Luxembourg						
Malta						
Monaco						
Netherlands	1 063	526	348	338	329	–69.0
New Zealand						
Norway						
Poland[a, b]						
Portugal	298	330	250	233	236	–20.8
Romania[a, b]						
Russian Federation[a]						
Slovakia[a]						
Slovenia[a, b]						
Spain						
Sweden						
Switzerland						
Turkey[c]						
Ukraine[a]						
United Kingdom						
United States						
Number of Parties showing a decrease in emissions by more than 1 per cent:						*9*
Number of Parties showing a change in emissions within 1 per cent:						*0*
Number of Parties showing an increase in emissions by more than 1 per cent:						*0*

[a] A Party with an economy in transition.

[b] Data for the base year defined by decisions 9/CP.2 and 11/CP.4 (Bulgaria (1988), Hungary (average of 1985–1987), Poland (1988), Romania (1989) and Slovenia (1986)) are used for this Party instead of 1990 data.

[c] Decision 26/CP.7 invited Parties to recognize the special circumstances of Turkey, which place it in a situation different from that of other Parties included in Annex I to the Convention.